

A NEW ANOPHELINE FROM THE FEDERATED MALAY STATES

BY

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(Received for publication 21 June, 1910)

MYZOMYIA AURIROSTRIS, n. sp.

A small brown anopheline, with white apex to palpi—two broad white bands separated by slightly smaller black bands, and narrow white band near the base—legs unbanded. Proboscis banded. Wings with five costal spots and numerous other spots on the wing field.

Head ♀. Dark brown. Scales. Passing forward between the eyes there is a tuft of long white hairs (among which are to be seen narrow curved scales much as on the wings), and also about half a dozen long dark or brown hairs. Among the roots of these hairs, some white long narrow curved scales are seen. They do not extend either backwards or far from the middle line. Behind these are white upright shallow fork scales, and behind these again black fork scales. Four dark brown hairs project over the lateral region of the eyes.

Thorax. Brown. Dorsum brown, with long brown hairs; projecting over nape some narrow white curved scales. Elsewhere hairy.

Prothoracic lobes brown. Tuft of white narrow-curved and a few blunt scales projecting from anterior part. Elsewhere covered with hairs.

Abdomen. Brown, covered by numerous long brown hairs. Halteres golden scaled.

Legs. All brown scaled throughout; unguis, small, equal, simple.

Proboscis. Basal half black scaled. Apical half golden scaled, except for a small but quite definite ring of black scales a short distance from the apex. The apex is golden.*

Palpi. Black, with four white bands. The first band consist of a small but definite band of scales at the apex of the first joint. The apex of the last joint is white scaled, with a few white hairs projecting beyond the end. Then follow alternately a narrow black band, a broad white band, a slightly smaller black band, a broad white band, and the remainder of the palpi to the first joint black.

Antennae. Brown.

Scutellum. Brown, with a single row of long dark hairs; metanotum brown, nude.



Wing of *Myzomyia aurirastris*, n. sp.

Wings. Costa, black, broken by five gold spots—two in the basal half of the wing, of which only the outer involves the subcosta and first vein. In the outer half the spot at the junction of the costa and subcosta involves the first vein—the spot of which, however, begins almost where the costal spot ends, and extends towards the apex. It is equal in length to the costal spot. Equidistant between this and the apex is a spot involving the first vein, and at the junction of the first vein and costa there is also a golden spot involving the fringe and a small portion of the first vein and upper branch of second. The first vein, in addition to the above spots, has one just beyond the second costal spot. In one specimen a few golden scales are seen on the costa, not sufficient in numbers to constitute a definite spot, and only involving one side of the vein. On second long vein there are a few golden scales at the origin, a few at the fork, and a few half-way between these two. The third vein begins in a yellow spot, and the rest of the vein consists of four black and three yellow spots alternately—the black spot touching the fringe being longest of all. The fourth vein is black scaled to its fork, except for a few yellow scales

*In the type specimen furnished by the author the integument at the tip is blackish in colour, and the few scales which remain are pale yellowish.—Ed.

opposite the origin of the third vein. At the fork there is a pronounced yellow spot, which extends down each branch, on each of which there is another small yellow spot. At the junction of the branches of the fourth and fifth veins, a few golden scales are seen. The fringe is black even at these points. The fifth vein throughout is alternately yellow and black. Between the origin and the fork there are three yellow spots; one yellow spot involves both branches, but mainly the upper; in addition, there are three yellow spots on each branch in addition to the yellow scales at the junction with the fringe. On first two-thirds of the sixth vein there are three yellow spots. The remainder of the vein is black scaled, with a few scattered golden scales about the middle. Except at the junction of the first vein, the fringe is black throughout. Wing scales long, narrow, lanceolate.

Observations. Bred from two larvae, taken from a hole in the ground $1\frac{1}{2}$ ft. wide and 2 ft. deep in the jungle next to Merton Estate, Klang, December, 1909.

Table Showing the Chief Differences between *Myzomyia albistrois*, *M. thorntonii*, and *M. aurostris*

	<i>M. albistrois</i>	<i>M. thorntonii</i>	<i>M. aurostris</i>
Palpi	Two broad apical bands and one narrow basal one	Three broad apical bands and a narrow basal band	As in <i>M. thorntonii</i>
Proboscis	Apical half pale scaled	Apical half light scaled with a narrow brown band near the apex	As in <i>M. thorntonii</i>
Wing Fringe	Pale spots at each vein junction	Mottled—the light spots occurring for the most part at the apices of the veins, long and short scales to the 5th and 6th distinctly yellow	Black
Legs	Unspotted, brown	Spotted and banded	Unspotted, brown
Prothoracic lobes	—	Brown flat scales	Tuft of white narrow curved scales from anterior part—elsewhere hairs